## CLAIMS:

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- a voltage level detector configured to generate a power-up signal;
- a ready/busy driver controller configured to generate a busy enable signal in response to the power-up signal; and
  - a ready/busy driver that is responsive to the busy enable signal.
- 2. The device of claim 1, further comprising a command register cooperatively coupled to the ready/busy driver controller.
  - 3. The device of claim 2, wherein the command register comprises:

a program command register configured to provide a program busy signal to the ready/busy driver controller; and

an erase command register configured to provide an erase busy signal to the ready/busy driver controller.

- 4. The device of claim 3, wherein the program busy signal indicates that the memory device is in a program mode.
- 5. The device of claim 3, wherein the erase busy signal indicates that the memory device is in an erase mode.
  - 6. The device of claim 1, wherein the ready/busy driver controller comprises:

a control signal generator configured to generate a first and a second control signal in response to the power-up signal; and

a level shifter configured to generate the busy enable signal in response to the first and second control signals.

7. The device of claim 1, wherein the ready/busy driver comprises: a ready/busy pin;

an open drain driver configured to set a voltage at the ready/busy pin in response to the busy enable signal; and

a pull up load connected to the ready/busy pin.

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- 8. The device of claim 7, wherein the memory device is in a busy state during a power-up period when the voltage at the ready/busy pin is at a low state.
- 5 9. The device of claim 8, wherein the memory device is in a ready state after the power-up period.
  - 10. A method of accessing a semiconductor memory device comprising:
    determining if an internal voltage has reached an operational voltage level;
    accessing the semiconductor memory device when the internal voltage has reached an operational voltage level.

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